



BUSINESS APPLICATIONS

PORT INFRASTRUCTURE



MANUFACTURER OF PERIMETER INTRUSION DETECTION SYSTEMS FOR SENSITIVE SITES



FOR ALL OF YOUR PERIMETER SECURITY PROJECTS WE'VE GOT THE RIGHT PERIMETER INTRUSION DETECTION SOLUTIONS

The earlier you detect, the more you reduce the risk of intrusion and potential malicious acts or thefts on a site.

Perimeter intrusion detection on your premises allows for :

- **Advance warning of an intrusion,**
- **Early verification upon receiving an alarm notification,**
- **Early response triggered through the centralised alarm information system.**

Perimeter intrusion detection is our business. We have developed a wide range of technologies that includes wireless and solar powered systems, offering the most innovative solutions for protecting your critical infrastructure sites.

Our products' detection reliability and high quality allow you to meet ISPS specifications in an efficient manner.



TECHNOLOGICAL ANSWERS TO MEET EVERY NEED

- **Approach detection** by thermal detectors & video analytics alongside dual technology sensors.
- **Intrusion detection** by active infrared non-physical (virtual) barriers; microwaves and laser beams.
- **Intrusion detection and deterrence** by physical barriers: fence-mounted shock detection cables and electrified detection fencing.



COMMITMENTS THAT MAKE THE DIFFERENCE

- **Guaranteed quality** : over 30 years of experience in supplying our customers.

ISO 9001
BUREAU VERITAS
Certification



- **A customised service** to support you at every stage of your project.
- **On-site technical support** for engineering, pre-sales support and site commissioning.
- **A network of trained installers-and integrators** worldwide.

REFERENCES



PORT OF LE HAVRE, FRANCE

MAXIRIS + G-FENCE

The priority for the Port of Le Havre is to secure and control access from the sea to certain areas of the port. The combination of G-FENCE shock detection cables with MAXIRIS active infrared barriers and fencing at access points resulted in a quick installation without infrastructure requirements for cabling.

PORT OF SÉVILLE, SPAIN

G-FENCE + PORTALIS

G-FENCE is the fence-mounted intrusion detection solution chosen to ensure perimeter security at the Port of Seville.

Gate control, without nearby power supply, is achieved by PORTALIS columns connected to the G-FENCE control units.

Alarm information is handled via the central MAXIBUS UNIVERSAL hub located in the security control centre



PORT OF FLORO, NORWAY

SOLARIS

For this industrial port, the initial requirement was to ensure intrusion detection reliability, while limiting the amount of civil engineering work. SOLARIS, a solar-powered active infrared barrier, without cabling, meets this requirement. Adapted to the marine environment, each column has a double casing to protect the detection system on the SOLARIS columns from being damaged by salt water.

ALL OF YOUR NEEDS ADDRESSED,

FROM APPROACH DETECTION TO
INTEGRATION INTO YOUR ON-SITE SYSTEM



Maritime ports and their terminals are particularly sensitive, strategic installations, requiring very special consideration when securing their perimeters. Passengers, goods, including a substantial amount of dangerous materials, storage areas for hazardous substances, containers and customs zones all represent different areas that require specific treatment regarding approach, intrusion detection and protection.

YOUR SPECIFIC NEEDS
OUR TECHNOLOGICAL SOLUTIONS

- Secure **long perimeters**
- Adapts to **different types of fencing**
- Limits the amount of **infrastructure**

SHOCK DETECTION CABLES

- Overcomes **the lack of electric power supply**
- Anticipates **future changes to perimeters**
- Preserves **detection integrity**

DUAL TECHNOLOGY DETECTORS
+
AUTONOMOUS INFRARED BARRIERS

- Optimises **confirmation of alarm via a video check**

INFRARED BARRIERS WITH ZONING FUNCTION

- **Adapts to saline environments**

SPECIFIC COASTAL CASING

- Allows **integration** :
- into an existing system
- into the VMS
- Centralises **feedback of alarm information**
- Facilitates **integration of third party products**

UNIVERSAL HUB + VMM

- Guarantees **detection 24/7**
- Provides **on-site tracking**

THERMAL DETECTORS AND IMAGE ANALYSIS

- Protect **highly sensitive areas**

DETECTION FENCING + OVERHANG DETECTORS

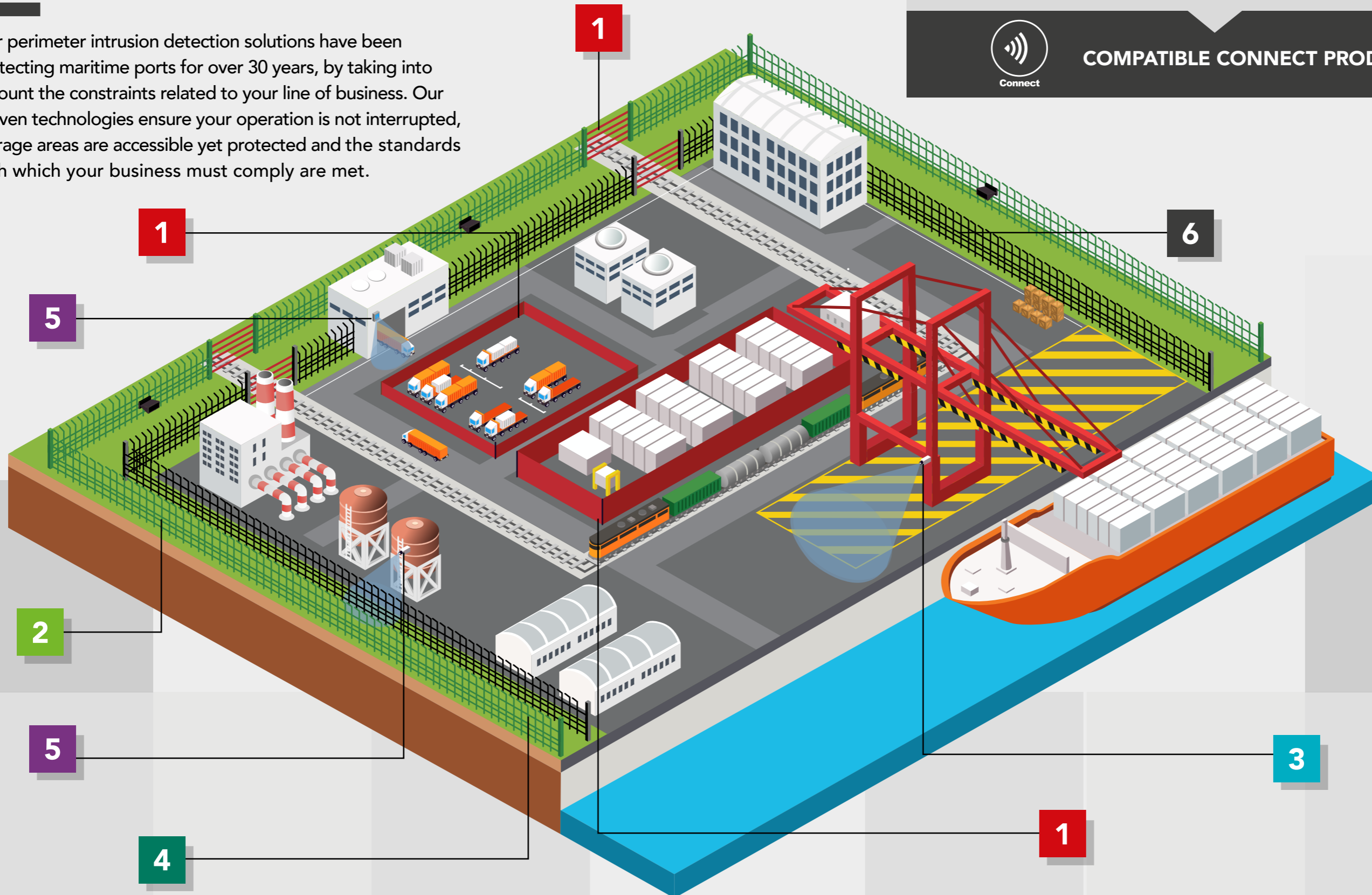
SECURITY SOLUTIONS CUSTOMISED FOR PORT APPLICATIONS

Our perimeter intrusion detection solutions have been protecting maritime ports for over 30 years, by taking into account the constraints related to your line of business. Our proven technologies ensure your operation is not interrupted, storage areas are accessible yet protected and the standards with which your business must comply are met.

- 1** ACTIVE INFRARED BARRIERS
- 2** FENCE-MOUNTED SHOCK DETECTION CABLES
- 3** THERMAL DETECTORS & IMAGE ANALYSIS
- 4** DETECTION FENCING & OVERHANG SYSTEMS
- 5** DUAL TECHNOLOGY DETECTORS
- 6** ELECTRIFIED DETECTION FENCING



COMPATIBLE CONNECT PRODUCTS



OUR EXPORT SALES TEAM

CENTRAL & LATIN AMERICA

MARINA GIRAUD

@ m.giraud@sorhea.com

+52 1 55 69 31 16 47

SOUTHERN / NORTH EUROPE

BENJAMIN TATE

EXPORT SALES MANAGER EMEA

@ europe@sorhea.com

TURKEY / CENTRAL ASIA

KAGAN BAKIRCI

@ turkiye@sorhea.com

+49 17 17 75 41 46

OTHER AREAS

@ export@sorhea.com

+33 4 78 03 06 10

EASTERN EUROPE / BELUX / WEST AFRICA

MARTIN RODELLAS

@ easteurope@sorhea.com

+33 7 52 02 74 62



1, rue du Dauphiné - CS 90323 - 69517 Vaulx-en-Velin Cedex - FRANCE

+33 (0)4 78 03 06 10 | +33 (0)4 78 68 24 61 | @ export@sorhea.com

www.sorhea.com